

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10628

LOCATION WCR 46 +61

FOREMAN Mila Rosaler

TREATMENT REPORT

DATE <u>11-27-11</u>	WELL NAME <u>SATER CC-18-01</u>	SECTION <u>16</u>	TWP <u>4N</u>	RGE <u>64W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>SAYON 144</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>1:00 PM</u>		TIME LEFT LOCATION				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>565</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>514.35</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>557</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>241BS</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
			<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM
			<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM
			<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM
			<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM
			<input type="checkbox"/> MISC PUMP		
			<input type="checkbox"/> OTHER		HYD HHP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY

BREAKDOWN or CIRCULATING	psi	AVERAGE	psi
FINAL DISPLACEMENT	psi	ISIP	psi
ANNULUS	psi	5 MIN SIP	psi
MAXIMUM	psi	15 MIN SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB Rig up Sattymetry, PSE TEST 500 PSE, Circulate 30 BBLs head/KLL mix
2nd 10 Dye mix + Pump 239 SKS Cement (30% EXCESS) yield 1.27 ct + 15-2 or until company man
Stoppes vs. Release Plug Displace 32.7 BBLs H2O Bump Plug 150 PSE Release PSE Wash up
Rig Down Slurry

Arrive with 525 SKS Cement 12 qts KLL 1602 Dye H2O TEST

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Sattymetry 2:00 PM Circulate 2:24 PM Cement 232
Drop Plug 2:54 PM Displace 2:54 PM

10 BBLs at 50 BBL/m 2:58 PM 280 PSE Used 35 0% EXCESS
20 BBLs at 50 BBL/m 300 PM 360 PSE Used 250 SKS Cement
30 BBLs at 2-5 BBL/m 305 PM 300 PSE Slurry 79.1
32.7 BBLs at 1-0 BBL/m 307 PM 240 PSE
Bump Plug 1-0 BBL/m 307 PM 520 PSE
Flow Collar hold BBLs Back

(12)

1st with 325 SKS Cement 9 qts KLL @ Dye

Nancy Stjepetic
AUTHORIZATION TO PROCEED

TITLE

11-27-11

DATE